

DISTRIBUTED BDD REORDERING

ABSTRACT

A method for verification of a system design represented by a model that includes a plurality of
5 variables. The method includes arranging the variables in an Ordered Binary Decision Diagram (OBDD) according to an initial order of the variables, the OBDD including a number of nodes arranged in rows corresponding respectively to the plurality of the variables. Each
10 processor, among a group of two or more computer processors, is assigned a respective variable among the plurality of the variables. Using each processor, the rows of the OBDD are reordered by varying a position in the OBDD of the row corresponding to the respective
15 variable that is assigned to the processor until at least one of the processors identifies a new order for the OBDD. The new order of the OBDD may be used to verify a characteristic of the model against a specification.